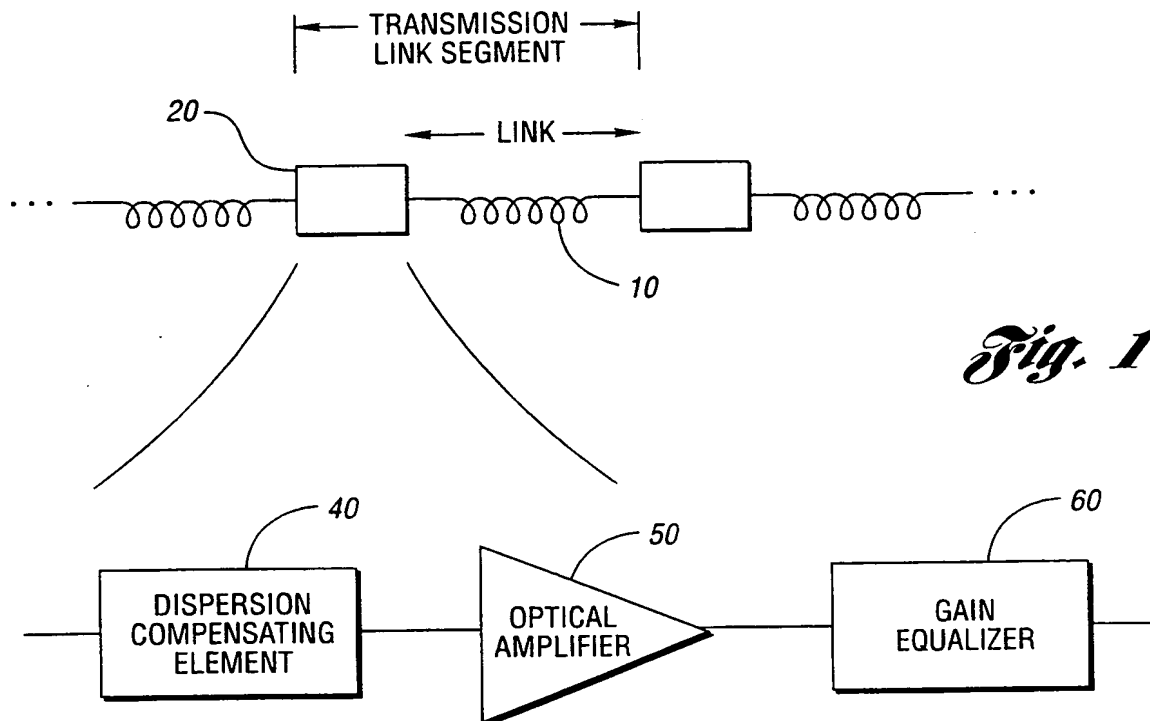
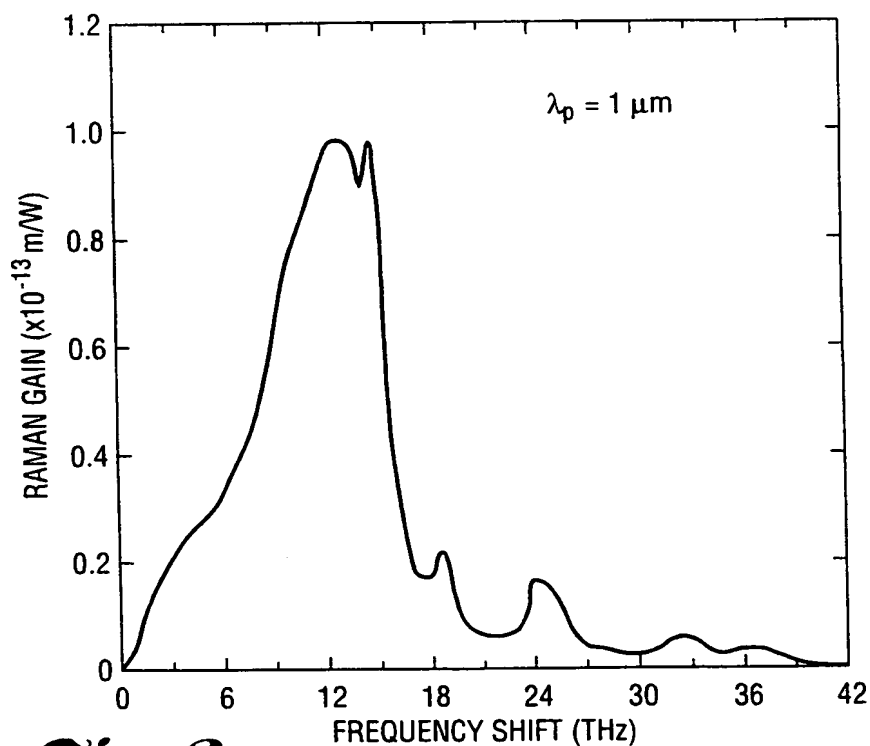


1/13



*Fig. 1*



*Fig. 2*

FIG. 3

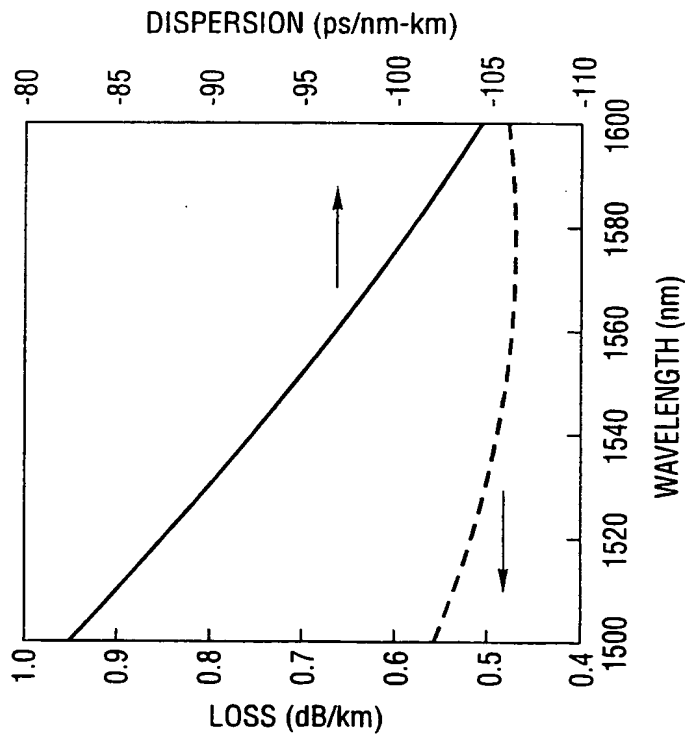


Fig. 3

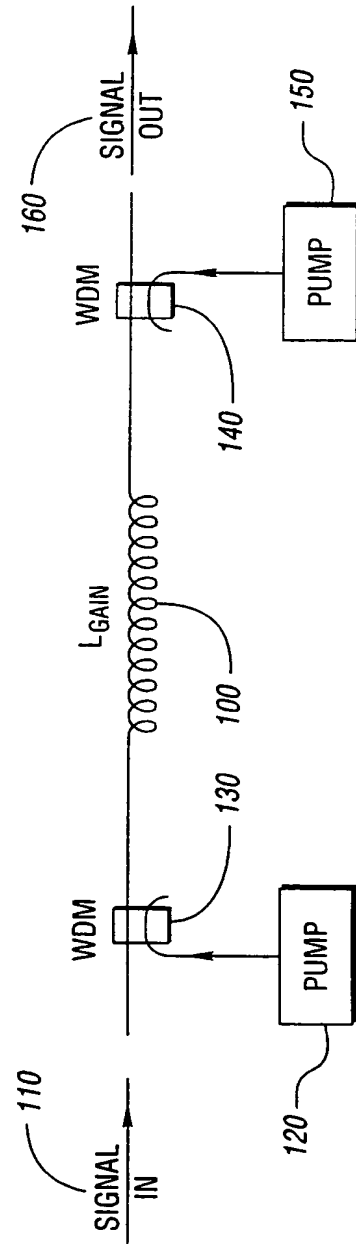
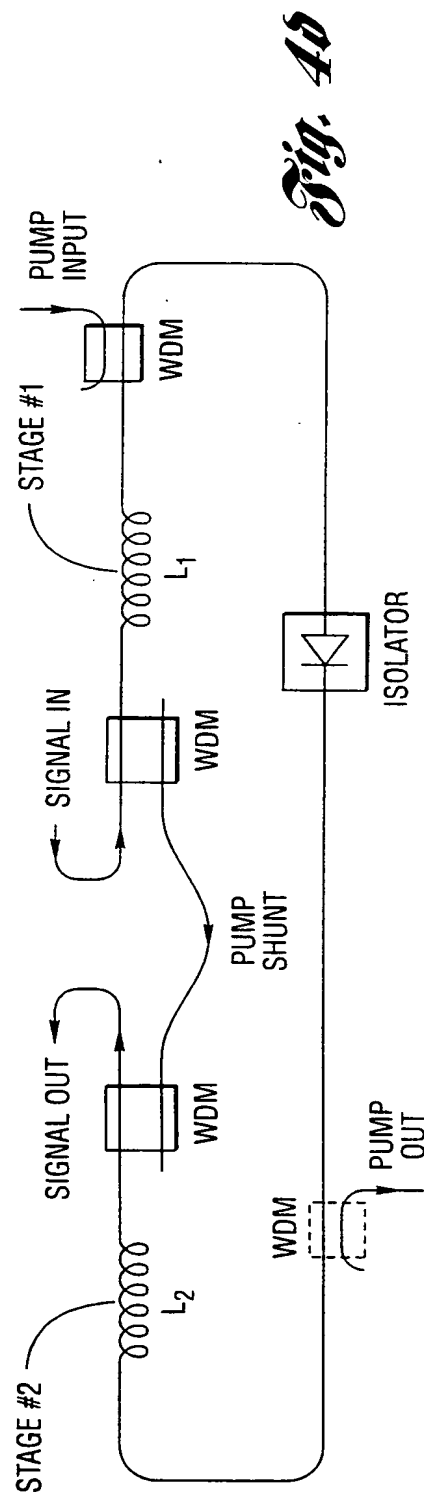
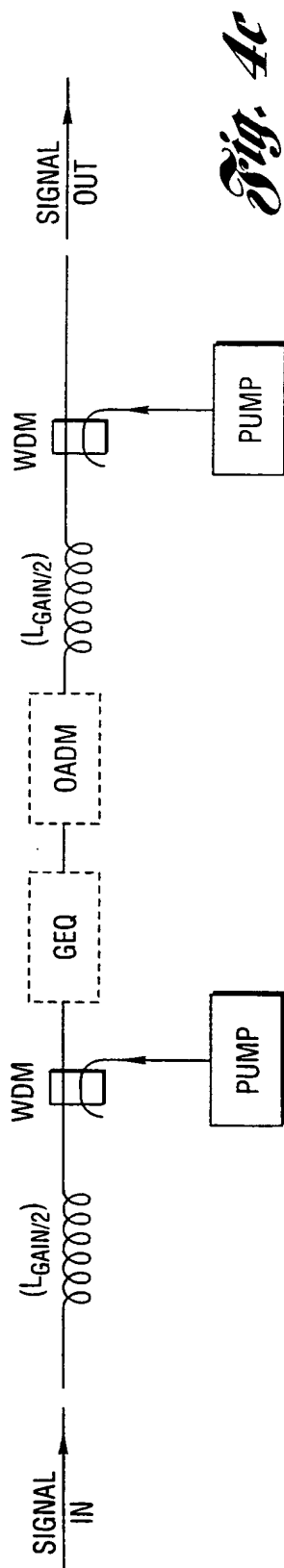
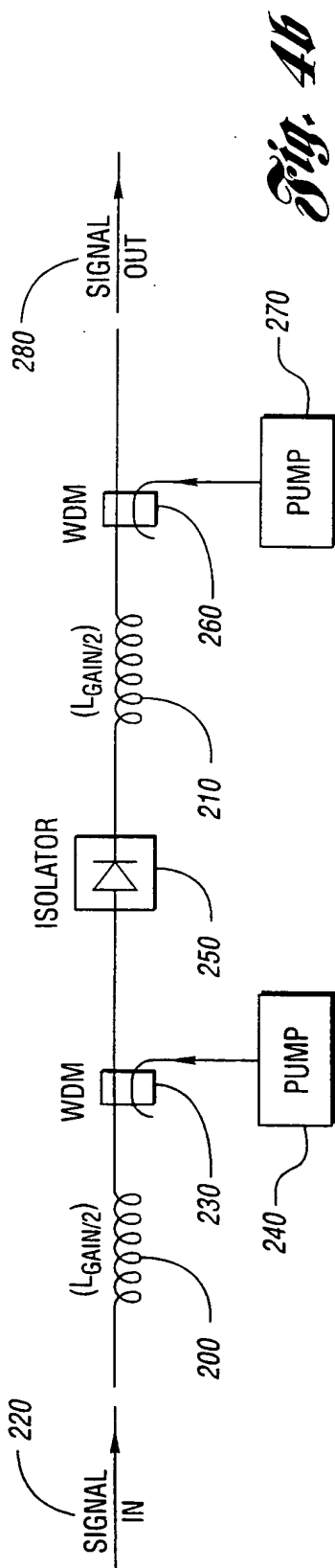
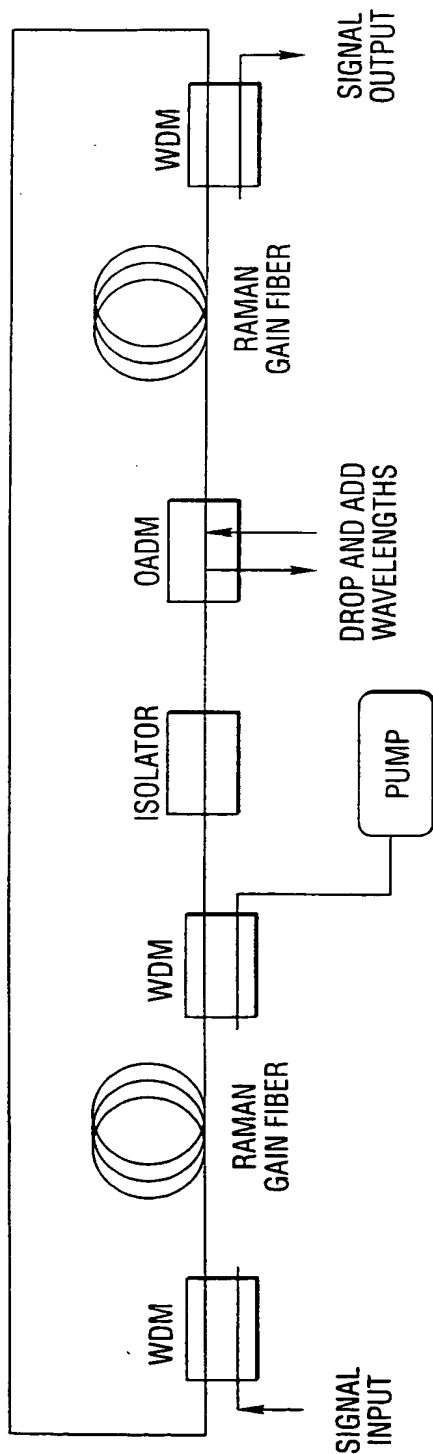
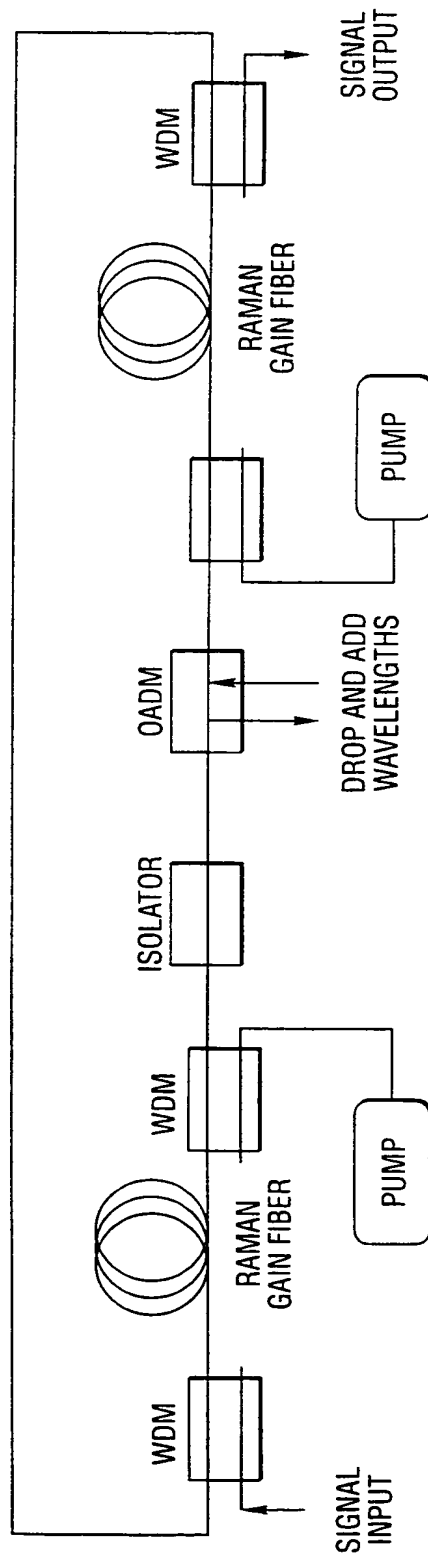


Fig. 4a





*Fig. 4e*



*Fig. 4f*

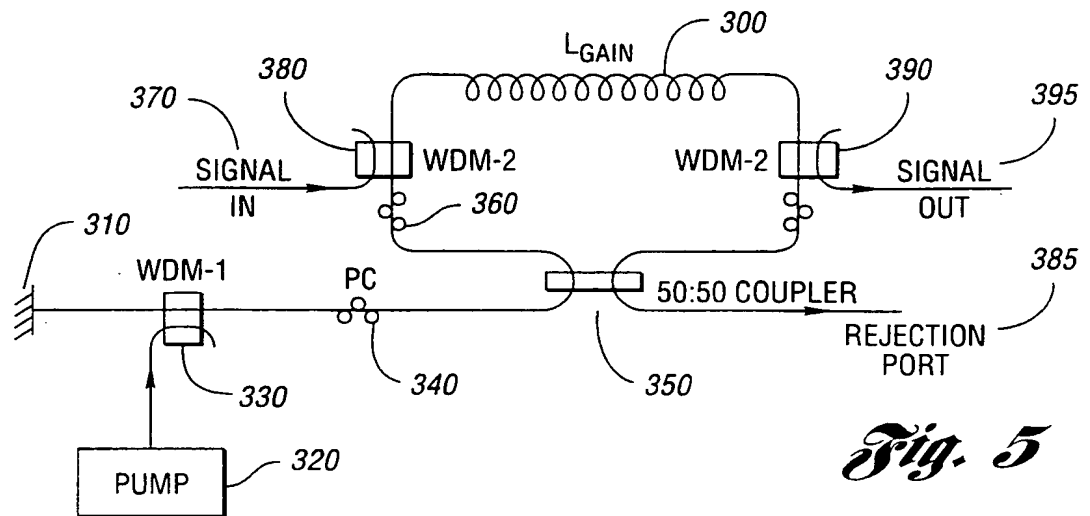


Fig. 5

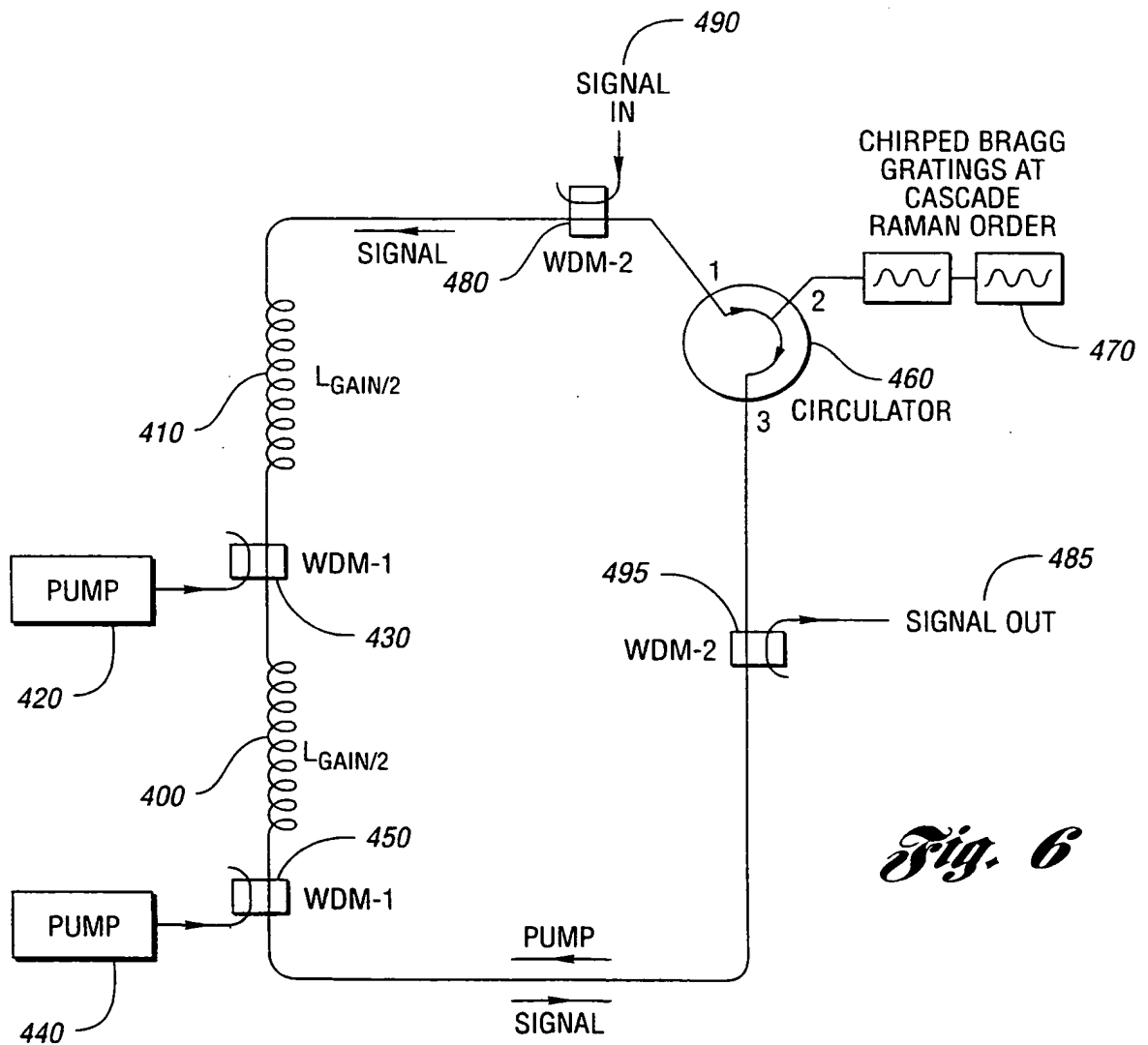
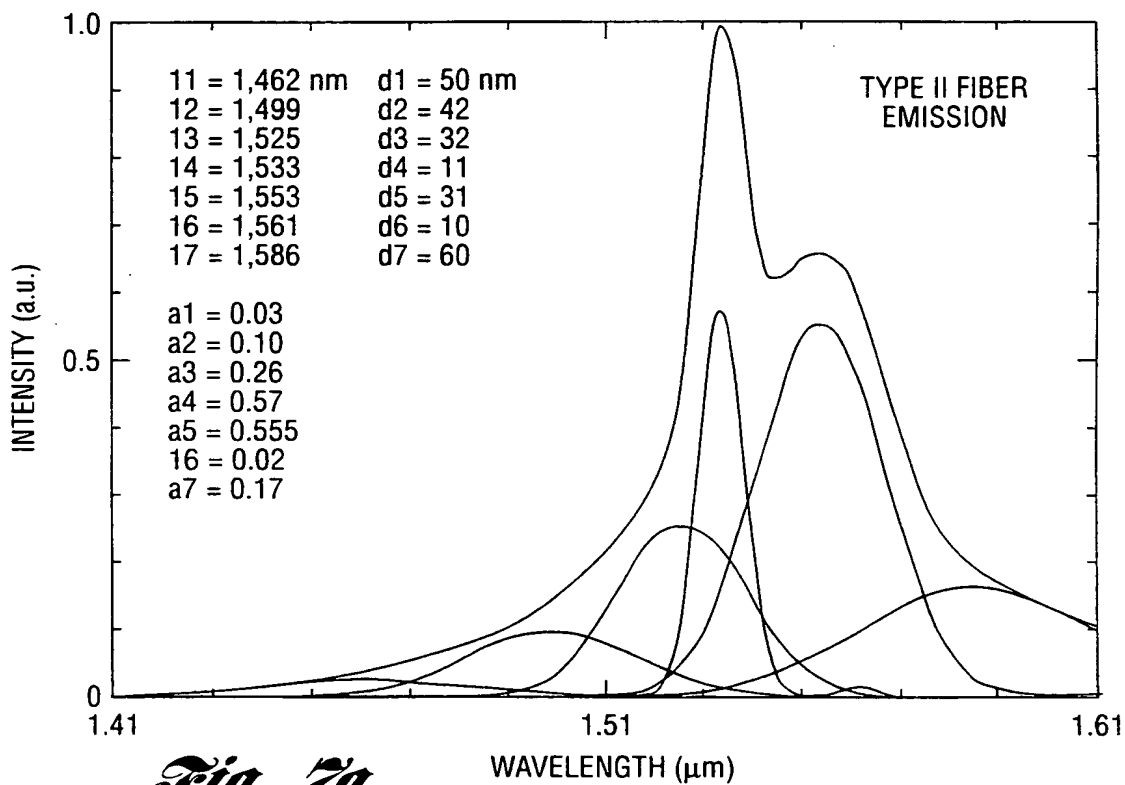
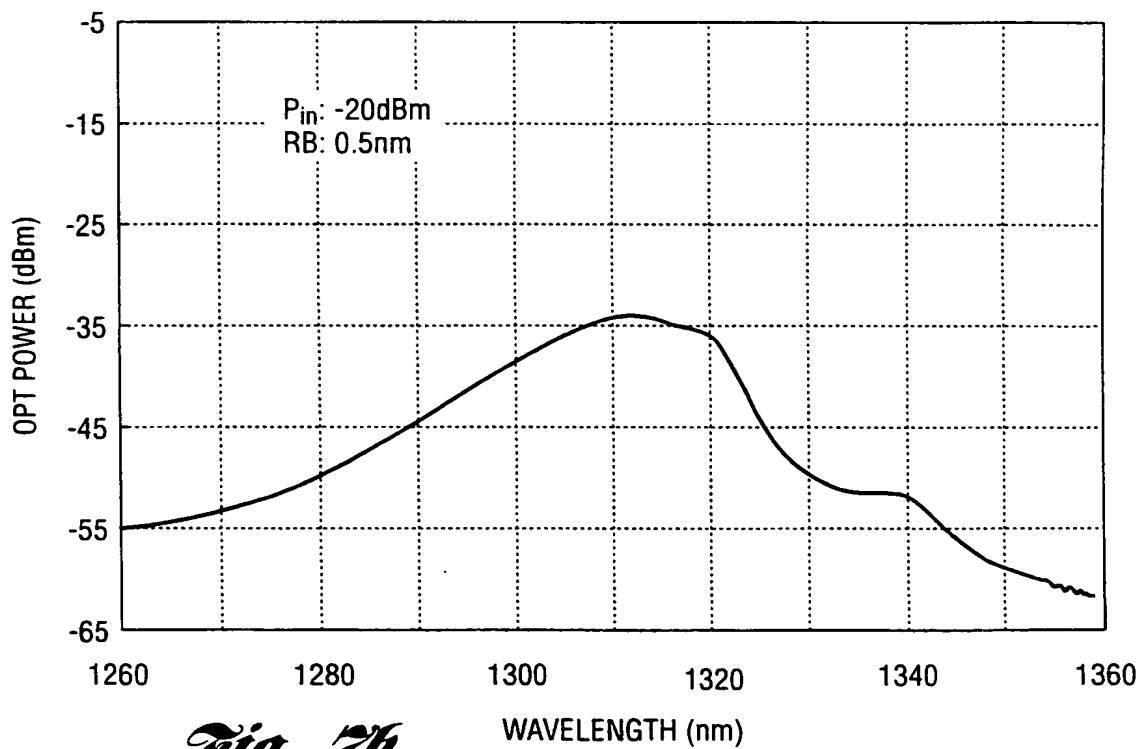


Fig. 6

6/13



*Fig. 7a*



*Fig. 7b*

FIG. 8a

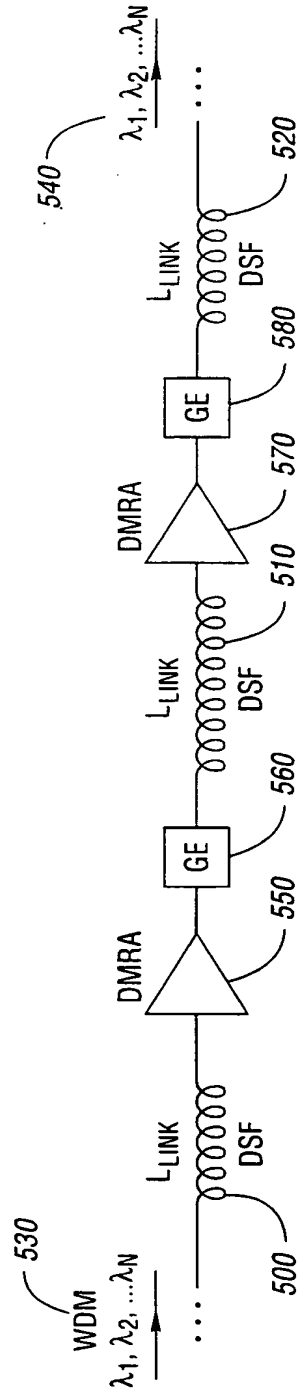


Fig. 8a

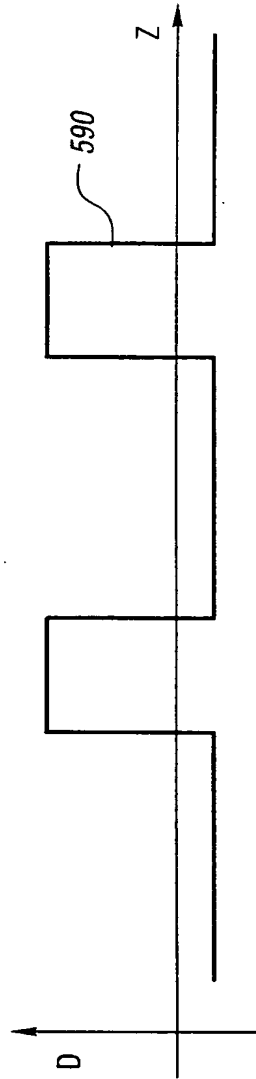


Fig. 8b

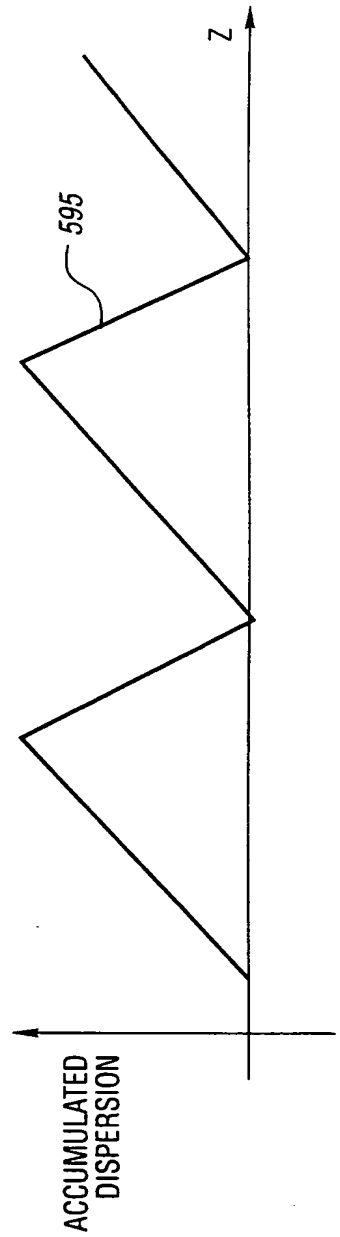
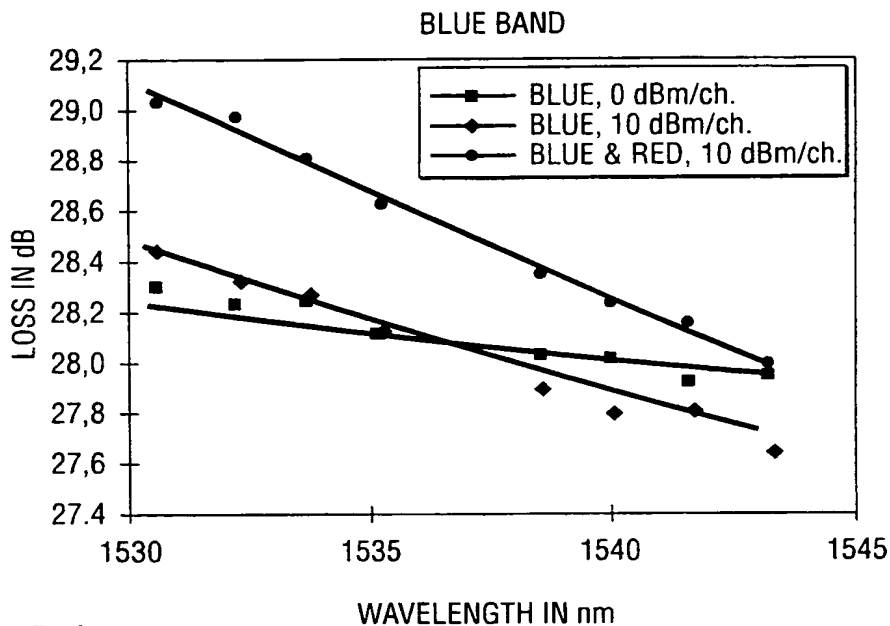
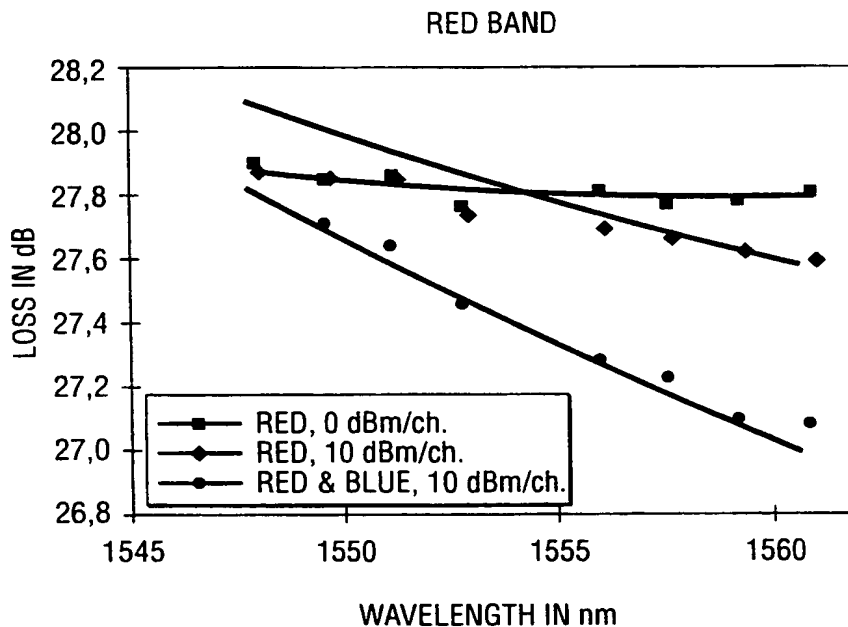


Fig. 8c



*Fig. 9a*

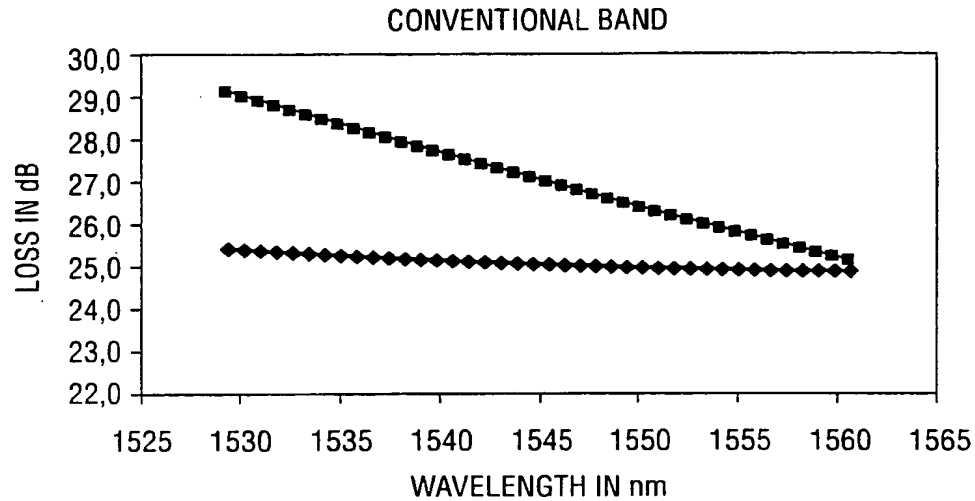


*Fig. 9b*

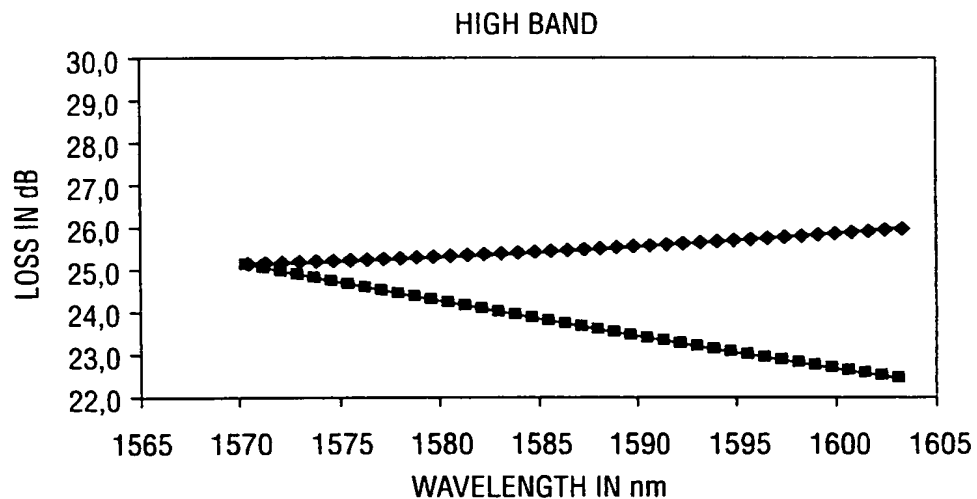
09749591.054704



9/13



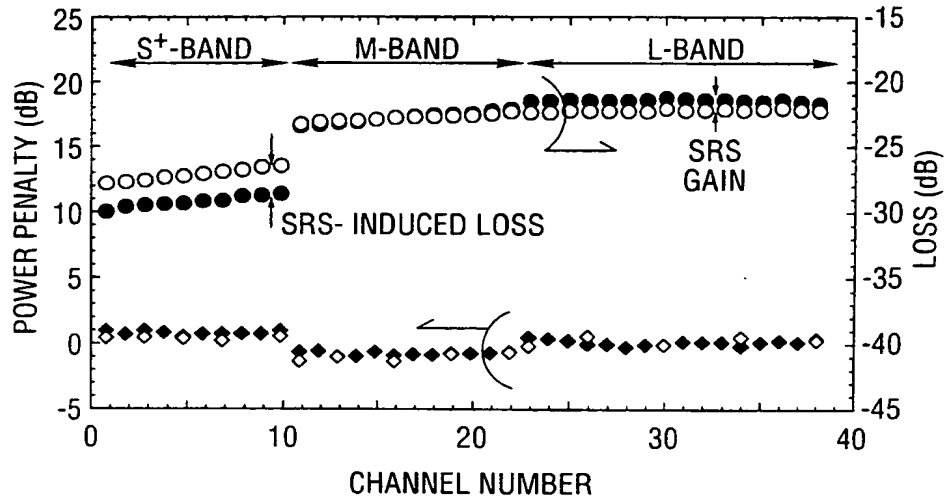
No. ch./dir. :40	High band :1570.4 - 1603.2 nm	Linear loss :25 dB
Input power :+6 dBm/ch.	Ch. spacing :100GHz	Mode field area :80 $\mu\text{m}^2$
Conv. band :1529.6 - 1560.6 nm	Span Length :100 km	Raman coeff. :4.4 x 10 <sup>-14</sup> m/W

*Fig. 10a*

No. ch./dir. :40	High band :1570.4 - 1603.2 nm	Linear loss :25 dB
Input power :+6 dBm/ch.	Ch. spacing :100GHz	Mode field area :80 $\mu\text{m}^2$
Conv. band :1529.6 - 1560.6 nm	Span Length :100 km	Raman coeff. :4.4 x 10 <sup>-14</sup> m/W

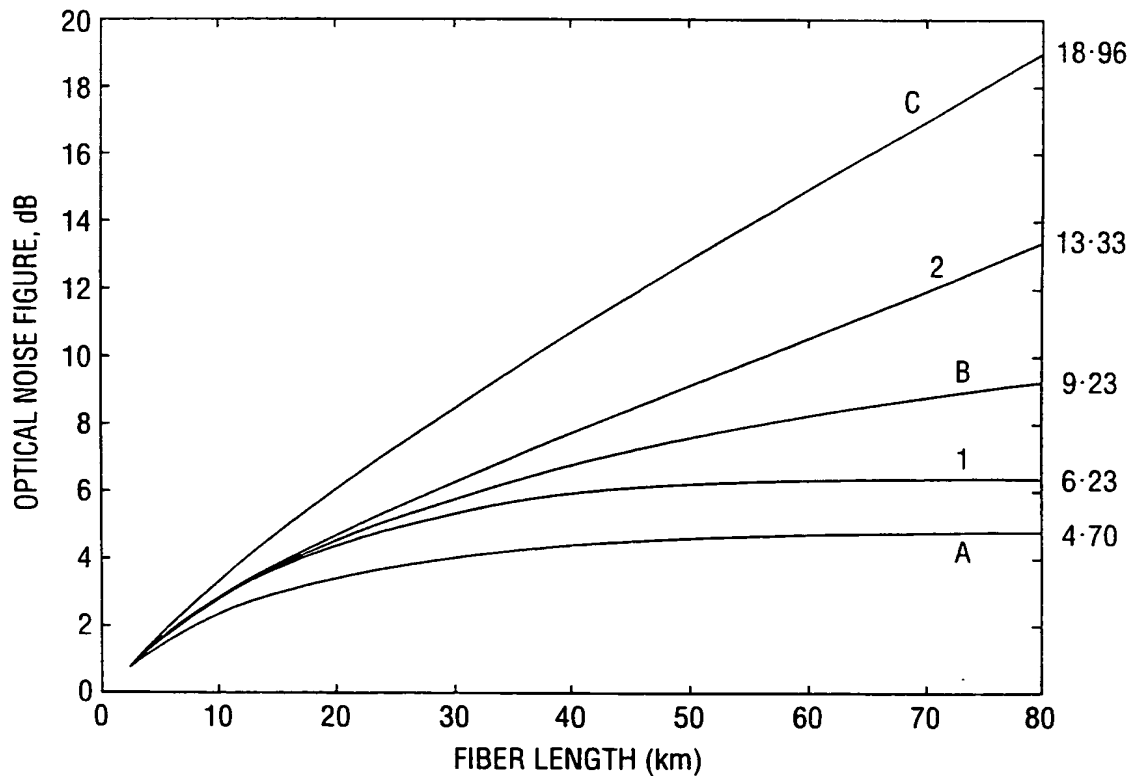
*Fig. 10b*

10/13

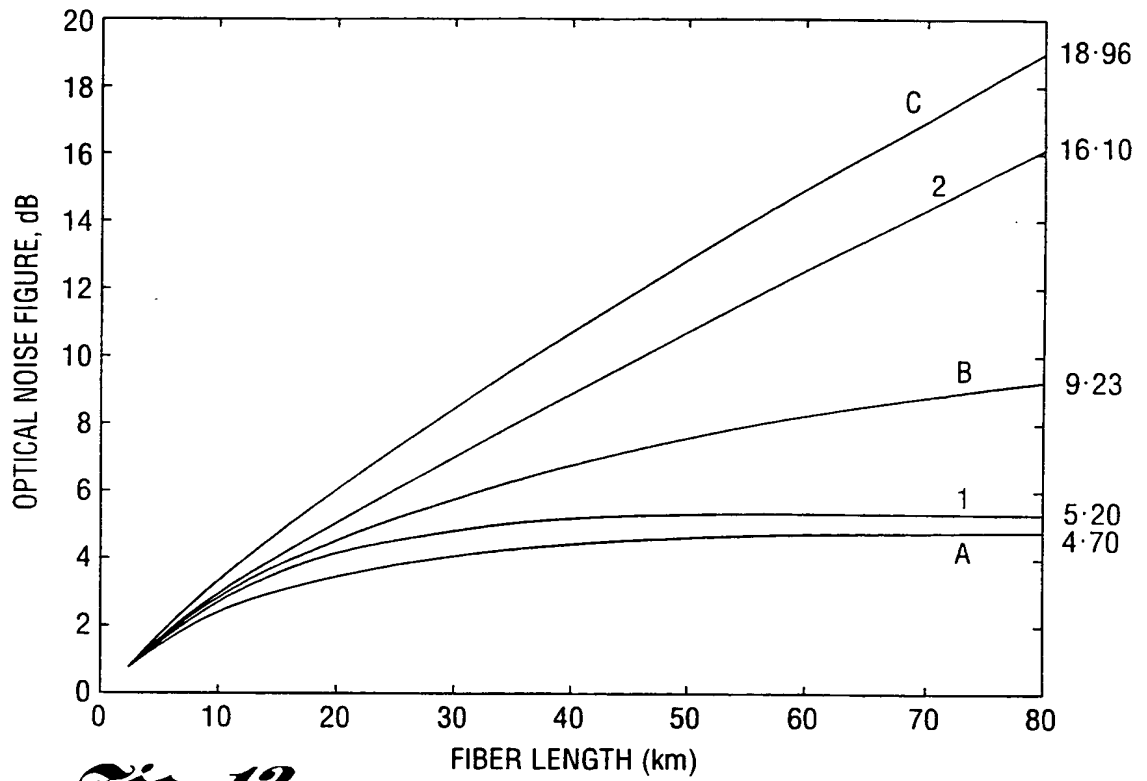


*Fig. 11*

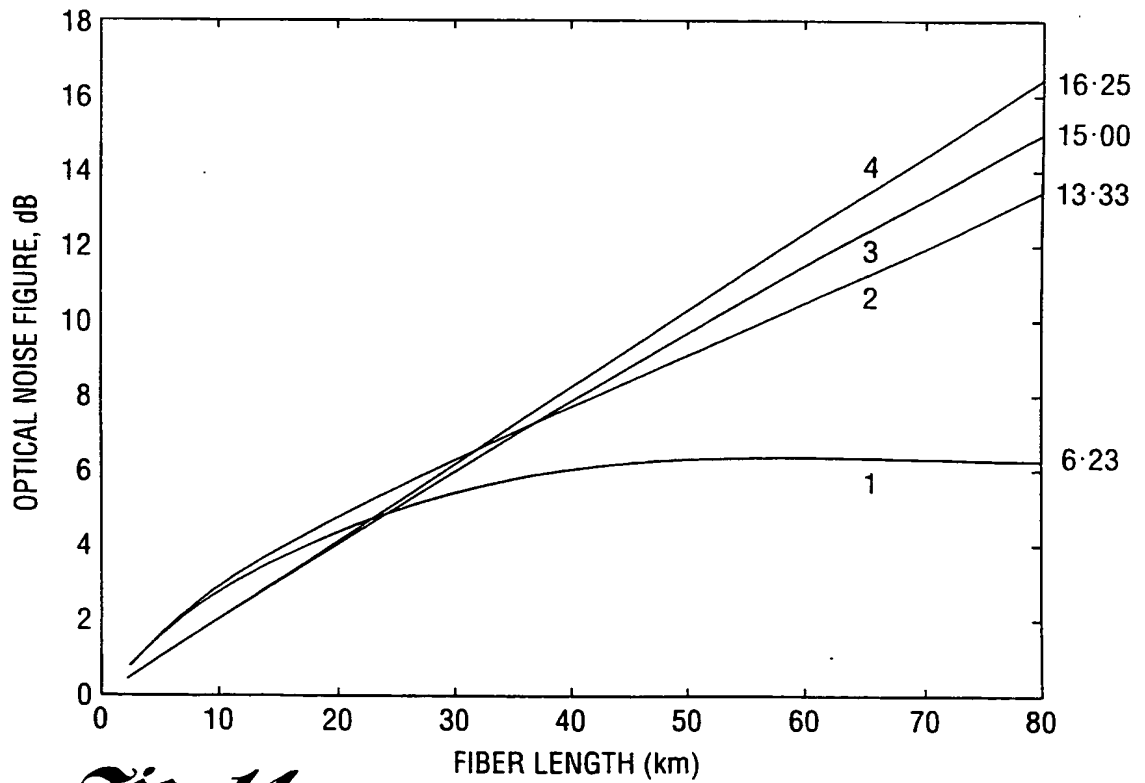
◇ ○ AFTER SEPARATE TRANSMISSION OF EACH BAND  
◆ ● AFTER SIMULTANEOUS TRANSMISSION OF THREE BANDS



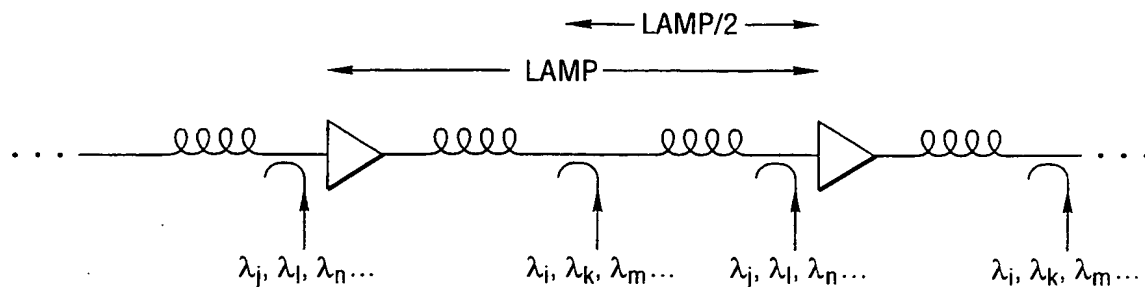
*Fig. 12*



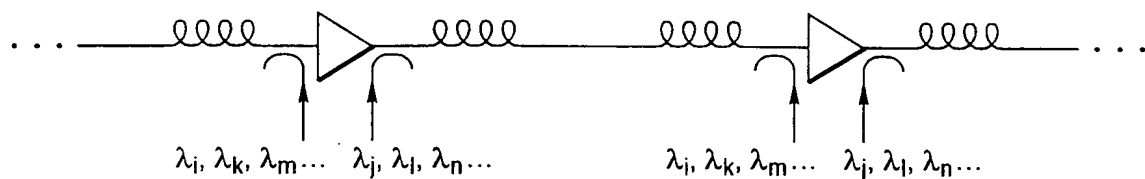
*Fig. 13*



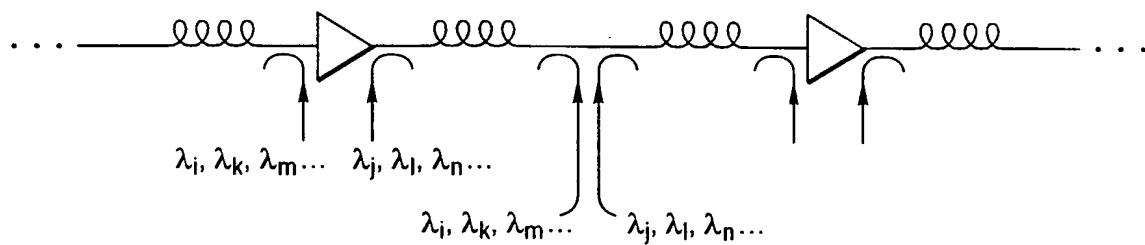
*Fig. 14*



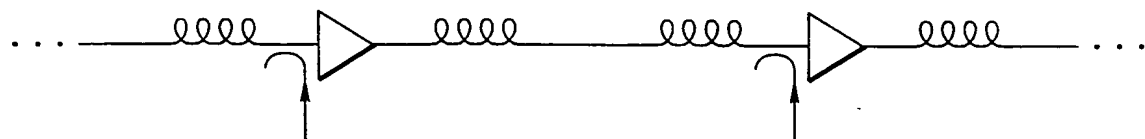
*Fig. 15a*



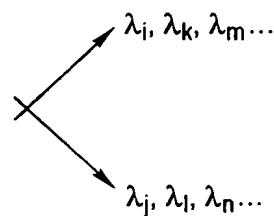
*Fig. 15b*

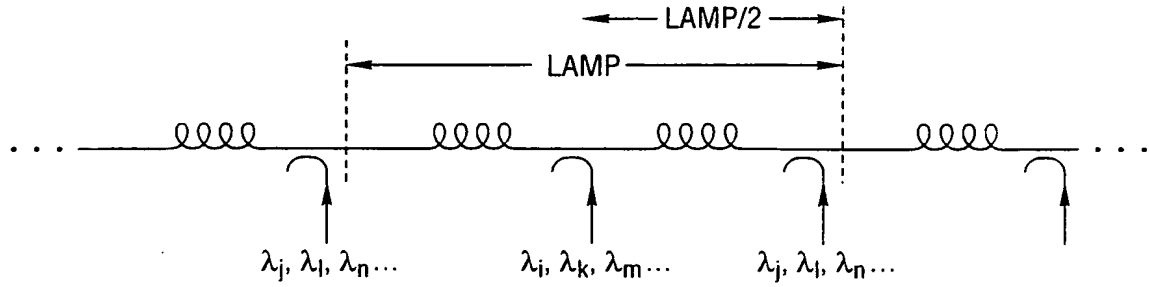


*Fig. 15c*

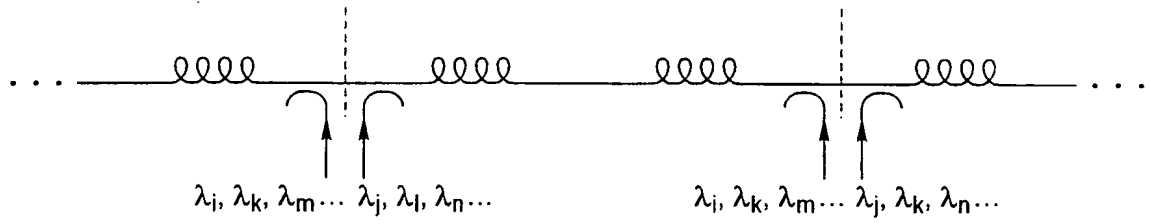


*Fig. 15d*

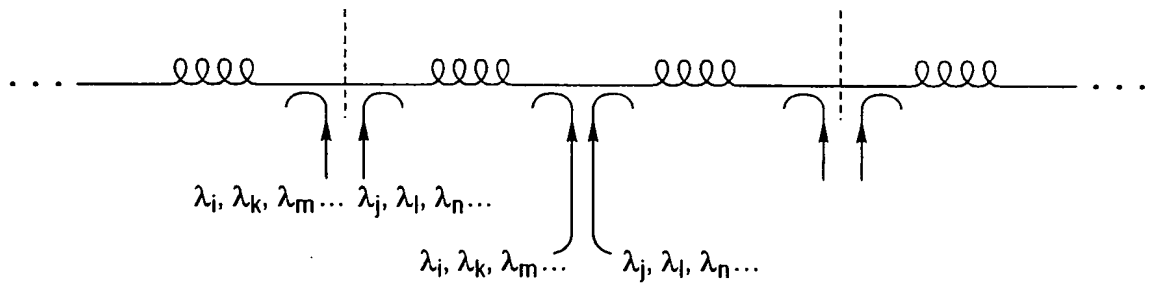




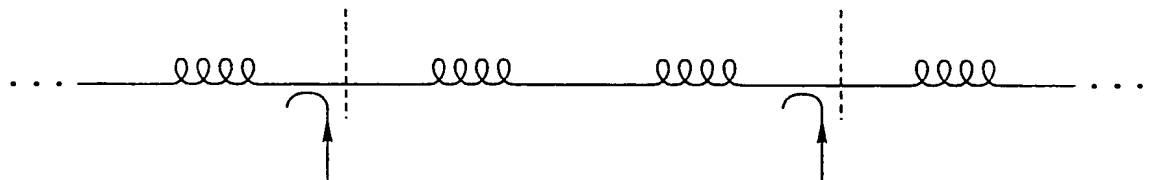
*Fig. 16a*



*Fig. 16b*



*Fig. 16c*



*Fig. 16d*

